Index of Claims

| Applica | ation/Co | ntrol No. |
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10/623,249 Examiner

Nghia M. Doan

Applicant(s)/Patent under Reexamination

BHUSHAN ET AL.

Art Unit

2825

Rejected **Allowed** 

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
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| 0 | Objected |

| Cla          | Date   |                              |          |  |              |          |  |              |              |           |
|--------------|--|------------------------------|----------|--|--------------|----------|--|--------------|--------------|-----------|
| Cie          |  |                              | -1       | _  | <u>,</u>     |          |  |              |              |           |
| Final        | Original                                     | 9/29/05                      |          |  |              |          |  |              |              |           |
|              | 1  | V                            |          |  |              |          | _  | ヿ            |              |           |
|              | 1<br>2<br>3<br>4<br>5                        | V                            |          |  |              |          | $\neg$   | $\neg$       |              |           |
|              | 3  | J                            | $\neg$   |  |              | Н        | $\neg$   |              |              |           |
|              | 1  | Ì                            |          |  |              | $\vdash$ | $\neg$   |              | _            | 一         |
|              | 5  | 7                            |          | _  |              | $\vdash$ | -1   | -            | =            | $\dashv$  |
|              | 6  | 7                            |          | _  | _            |          |  | -            | -            | _         |
|              | 6<br>7                                       | 7                            |          |  |              | Н        | -  |              | -            | -         |
|              | 8  | V                            |          | _  | -            | Н        | -  | -1           |              |           |
|              | 0  | 1                            |          |  |              |          | -  | $\dashv$     | _            | $\dashv$  |
|              | 9<br>10                                      | ٧                            |          |  | -            | Н        | _  | -            | _            |           |
|              | 10   | 7                            |          |  | $\vdash$     | $\vdash$ |  | -            | _            | $\dashv$  |
|              | 11<br>12<br>13<br>14<br>15<br>16<br>17<br>18 | V                            |          |  | -            | $\vdash$ |  |              |              | $\dashv$  |
|              | 12   | Y                            |          |  | <u> </u>     | Н        |  | $\vdash$     | _            | $\dashv$  |
|              | 13   | Ϋ́                           |          |  | <u> </u>     | Щ        |  | $\square$    |              | Н         |
|              | 14   | 1                            |          |  | <u> </u>     | Щ        |  | Ш            | _            |           |
|              | 15   | 1                            |          |  |              | Щ        |  | Ш            | _            | $\square$ |
|              | 16   | 1                            |          |  |              | Щ        | _  | Ш            |              | Щ         |
|              | 17   | 1                            |          | _  | L            |          |  |              |              |           |
|              | 18   | 1                            |          |  |              |          |  |              |              | Ш         |
|              | 19   | 1                            |          |  |              |          |  |              |              | Ш         |
|              | 20   | 1                            |          |  |              |          |  |              |              |           |
|              | 21   | 1                            |          |  |              |          |  |              |              |           |
|              | 22   | 1                            |          |  |              |          |  |              |              |           |
|              | 19<br>20<br>21<br>22<br>23<br>24             | 1                            |          |  |              |          |  |              |              |           |
|              | 24   | 1                            | _        | $\vdash$   | Ī            |          |  |              |              | П         |
|              | 25   | 1                            | $\vdash$ | $\vdash$   |              | Г        |  |              |              | П         |
|              | 25<br>26<br>27                               | 1                            |          | Г  | _            |          |  |              |              | П         |
|              | 27   | 1                            |          | Г  |              |          | Г  |              |              |           |
|              | 28   | j                            | -        |  | -            | İΤ       | H  |              |              | İΠ        |
| <u> </u>     | 28<br>29<br>30                               | j                            | 一        |  | $\vdash$     | $\vdash$ | -  |              | $\vdash$     | Н         |
|              | 30   | ij                           |          | -  | -            | ╁        | $\vdash$   | ┢            | ┢            | Н         |
| <del> </del> | 31   | ファファファファファファファファファファファファファファ | -        | $\vdash$   | -            | $\vdash$ | $\vdash$   | -            | $\vdash$     | Н         |
| $\vdash$     | 32   | +                            | -        | $\vdash$   |              | 一        | <del>                                     </del> | $\vdash$     | $\vdash$     | $\vdash$  |
| <del> </del> | 31<br>32<br>33                               | $\vdash$                     |          | <del>  -</del>                                   | -            | +        | $\vdash$   | -            | $\vdash$     | $\vdash$  |
|              | 34   | -                            | $\vdash$ | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$   | -            | -            | $\vdash$  |
|              | 34<br>35                                     | +-                           | $\vdash$ | $\vdash$   | $\vdash$     | +-       | $\vdash$   | $\vdash$     | <del> </del> | Н         |
|              | 30   | +                            | $\vdash$ | $\vdash$   | -            | $\vdash$ | $\vdash$   | -            | $\vdash$     | Н         |
| <u> </u>     | 36<br>37                                     | 1                            | $\vdash$ | <del>                                     </del> | ┰            | $\vdash$ | -  | $\vdash$     | $\vdash$     | Н         |
|              | 20   | ╁                            | -        | $\vdash$   | $\vdash$     | ┼        | $\vdash$   | -            |              | Н         |
|              | 38   | +-                           | $\vdash$ | -  | $\vdash$     | ╁        | $\vdash$   | $\vdash$     | $\vdash$     | Н         |
|              | 39   | ├-                           | -        | ₩  | ├-           | $\vdash$ | $\vdash$   | -            | -            | $\vdash$  |
| <del> </del> | 40   | -                            | $\vdash$ |  | $\vdash$     | +        | ├-   | ⊢            | -            | $\vdash$  |
| <u> </u>     | 41   |                              | ├—       | ₩  | ₩            | ╀        | ₩  |              | 1            | $\vdash$  |
|              | 42   | 1                            | -        | -  | <del> </del> | ┼        | 1  | -            | $\vdash$     | $\vdash$  |
| <u> </u>     | 43   | ├-                           | ⊢        | ⊢  |              | $\vdash$ | <u> </u>   | ├-           | <u> </u>     | $\vdash$  |
| <u></u>      | 44   | $\vdash$                     | $\vdash$ | ↓_   | ₩            | 1-       | ⊢  | <del> </del> | <u> </u>     | _         |
| <u></u>      | 45   | ↓_                           | <b>├</b> | ┞-   | ↓_           | 1        | ├-   | ├-           | <b>!</b>     | $\vdash$  |
| <u></u>      | 46   | <b> </b>                     | <u> </u> | <del> </del>                                     | _            | $\vdash$ | -  | -            | <u> </u>     | $\vdash$  |
| L.           | 47   | $\vdash$                     | _        | ┞-   | ↓_           | 1        | _  | <u> </u>     | <b>!</b> —   | _         |
|              | 48   | 1                            |          | ┖  | 1_           | $\perp$  | _  | <u> </u>     | $oxed{oxed}$ | <u> </u>  |
|              | 49   |                              | _        | _  | 1            | _        | L  | <u> </u>     | <u> </u>     |           |
|              | 50   |                              | $\Box$   | L  |              |          | L  |              |              |           |

| Cla      | im       |                    |          |          |          | ate                                 | ,                                   |                           |            |   |
|----------|----------|--------------------|----------|----------|----------|-------------------------------------|-------------------------------------|---------------------------|------------|---|
|          |          | Ţ                  | T        | $\neg$   |          | П                                   | T                                   | Т                         |            |   |
| Final    | Original |                    |          |          |          |                                     |                                     |                           |            |   |
|          | 51<br>52 |                    |          |          |          |                                     |                                     |                           |            |   |
|          | 52       |                    |          |          | l        | l                                   | - 1                                 | - 1                       | 1          |   |
|          | 53       | ヿ                  | 一        |          |          |                                     |                                     |                           | $\neg$     |   |
|          | 54       | $\dashv$           | 7        |          |          |                                     | $\neg$                              | ヿ                         | $\neg$     |   |
| $\vdash$ | 54<br>55 | 寸                  | _        |          |          |                                     | $\dashv$                            | $\neg$                    |            |   |
| $\vdash$ | 56       | 7                  | 一        | _        |          | -                                   |                                     | _                         | $\neg$     |   |
|          | 57       | _                  |          | _        |          |                                     | _                                   |                           | $\neg$     |   |
| 1        | 58       | $\dashv$           | -        |          |          |                                     |                                     | _                         | $\dashv$   |   |
| $\vdash$ | 59       | -                  | $\neg$   |          | Н        |                                     | $\neg$                              | 一                         |            |   |
| $\vdash$ | 60       | $\dashv$           | $\dashv$ |          | Н        | $\dashv$                            |                                     | -                         | _          |   |
|          | 61       | $\dashv$           | $\dashv$ |          |          | $\vdash$                            | $\dashv$                            |                           |            |   |
|          | 62       | $\dashv$           | $\dashv$ |          | Н        | $\dashv$                            | $\dashv$                            | -                         | $\dashv$   |   |
| $\vdash$ | 63       |                    | $\dashv$ |          | Н        | $\vdash$                            | $\dashv$                            | $\dashv$                  |            | -   |
| $\vdash$ | 64       |                    | $\dashv$ | _        | Н        | $\vdash$                            | $\dashv$                            | $\dashv$                  |            |   |
| $\vdash$ | 04<br>CE | $\dashv$           |          |          | -        | -                                   | $\dashv$                            |                           | $\dashv$   |   |
| -        | 65<br>66 | -                  | -        |          | H        | $\dashv$                            | -                                   | -                         |            |   |
|          | 00       | -1                 | _        |          | _        | H                                   |                                     |                           | -          |   |
|          | 67       | -                  |          |          |          |                                     | _                                   | -                         |            |   |
|          | 68       |                    |          |          |          |                                     |                                     |                           | _          | _   |
| -        | 69       | _                  | _        |          | L_       | H                                   |                                     | $\square$                 |            |   |
| -        | 70       | _                  |          |          |          |                                     |                                     |                           |            |   |
|          | 71       | _                  |          |          | L_       |                                     |                                     | -                         |            |   |
|          | 72       | _                  |          |          | _        | _                                   |                                     |                           | _          |   |
| <u> </u> | 73       | _                  |          |          | _        | _                                   |                                     |                           |            |   |
| ļ        | 74       | _                  |          |          |          | _                                   |                                     |                           |            |   |
| <u> </u> | 75       | _                  |          |          |          |                                     |                                     |                           |            |   |
|          | 76<br>77 |                    |          |          | <u> </u> | _                                   |                                     |                           |            |   |
| <u> </u> | 77       |                    | _        | _        | <u> </u> | _                                   |                                     |                           | _          | <u> </u>  |
| L        | 78       |                    |          | _        | <u> </u> | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |                                     | Щ                         |            |   |
| <u> </u> | 79       |                    |          |          | _        | <u> </u>                            | oxdot                               | Щ                         |            |   |
|          | 80       |                    |          |          | L        | L_                                  |                                     |                           | _          | _   |
| L        | 81       |                    |          | _        |          | <u> </u>                            |                                     |                           | _          | _   |
| <u></u>  | 82<br>83 |                    |          |          | <u></u>  | <u> </u>                            | <u> </u>                            | $\vdash$                  | <u> </u>   |   |
|          | 83       |                    |          | _        | <u> </u> | _                                   | <u> </u>                            | L                         | <u> </u>   | <u> </u>  |
|          | 84       |                    |          | <u> </u> | L        | <u> </u>                            | <u> </u>                            | <u> </u>                  | <u> </u>   | <u> </u>  |
|          | 85       |                    |          | <u> </u> | L_       | <u> </u>                            | <u> </u>                            |                           | L.         | <u> </u>  |
|          | 86       | $\sqcup$           |          | <u> </u> | <u>_</u> | <u> </u>                            | <u> </u>                            | $ldsymbol{ldsymbol{eta}}$ | <u> </u>   | L_  |
|          | 87       |                    |          | <u>L</u> |          | _                                   | <u> </u>                            | $\perp$                   | <u>_</u>   | L_  |
|          | 88       |                    |          | _        | 1_       | <u></u>                             | <u> </u>                            |                           | _          | _   |
|          | 89       | Ш                  | _        | L        | <u>_</u> |                                     | $oxed{oxed}$                        |                           | L          | L   |
|          | 90       |                    |          | 匚        | <u> </u> | $oxed{oxed}$                        |                                     | _                         | _          | _   |
|          | 91       |                    |          | L        | <u> </u> | $\perp$                             | L                                   | <u>_</u>                  | <u> </u>   | L   |
|          | 92       |                    |          |          | <u> </u> | <u> </u>                            | <u> </u>                            | <u> </u>                  | <u> </u>   | L   |
|          | 93       |                    | L        | L        |          |                                     |                                     | L_                        |            | L   |
|          | 94       |                    | L        | L        | <u> </u> | ota                                 | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u> </u>                  | <u> </u>   | L   |
|          | 95       |                    |          |          | 乚        | 上                                   | $oxed{oxed}$                        | 乚                         | <u> </u>   | L_  |
|          | 96       |                    | <u>L</u> | L        | _        | $oxed{oxed}$                        | _                                   | L                         | <u> _</u>  | L   |
|          | 97       | $oxedsymbol{oxed}$ | L        |          | _        | 乚                                   | <u> </u>                            | _                         | _          | $oldsymbol{ol}}}}}}}}}}}}}}}}}$ |
|          | 98       |                    |          | _        | $\perp$  | 1_                                  | $\perp$                             | L                         | lacksquare | L   |
|          | 99       |                    |          |          |          | _                                   | $oxed{\Box}$                        | L                         | lacksquare | $oxed{oxed}$  |
|          | 100      |                    |          |          |          |                                     |                                     | <u> </u>                  |            |   |

| Cla          |   |               |  |                                     |                                     | Date     | =        |          |              |   |
|--------------|---|---------------|--|-------------------------------------|-------------------------------------|----------|----------|----------|--------------|---|
|              |   |               |  |                                     |                                     |          |          |          |              |   |
| ā            | Original                                      |               |  |                                     |                                     |          |          |          |              |   |
| Final        | ığı   |               |  |                                     |                                     |          |          |          |              |   |
| _            | 0   |               |  |                                     |                                     |          |          |          |              |   |
|              | 101   |               | -  | Н                                   | _                                   | $\vdash$ | $\vdash$ | _        | _            |   |
|              | 101<br>102                                    | -             |  |                                     | -                                   | _        | -        |          |              |   |
| -            | 103   |               |  |                                     |                                     |          | -        | -        | $\dashv$     |   |
|              | 103   |               |  |                                     |                                     | -        | H        | H        |              |   |
|              | 104<br>105                                    |               |  | _                                   | _                                   |          | -        | _        |              | $\dashv$  |
|              | 105   |               |  |                                     | _                                   |          |          |          | _            | -   |
|              | 106   | _             |  | _                                   | _                                   |          |          |          | <u> </u>     |   |
|              | 107<br>108                                    | _             |  | $\vdash$                            | _                                   | <u> </u> | L        |          |              | Н   |
|              | 108   |               |  | _                                   | _                                   |          | H        |          | _            | Щ   |
|              | 109   |               | Ш  | _                                   |                                     |          | _        |          | _            | Щ   |
|              | 110<br>111                                    |               |  |                                     | _                                   |          |          | _        |              | Щ   |
|              | 111   |               |  |                                     |                                     |          | _        | <u> </u> |              | Щ   |
|              | 112   |               |  | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u> </u>                            | <u> </u> | _        | L        |              | Ш   |
|              | 113   |               | اسا  |                                     | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | _        |          | $\vdash$ |              | Ш   |
|              | 114   |               |  |                                     | _                                   | _        |          | <u> </u> |              | $\square$   |
|              | 115   |               |  |                                     | $\Box$                              | _        | L        |          |              | Ш   |
|              | 116   |               |  |                                     | L                                   | L        | Ĺ        |          |              |   |
|              | 112<br>113<br>114<br>115<br>116<br>117        |               |  |                                     |                                     |          |          |          |              |   |
|              | 118   |               |  |                                     |                                     |          |          |          |              |   |
|              | 118<br>119                                    |               |  |                                     |                                     | Ī        |          | <u> </u> |              |   |
|              | 120   | Ī             |  | Т                                   | Г                                   |          | Г        | Г        | Г            | П   |
|              | 120<br>121<br>122<br>123<br>124<br>125        | $\vdash$      | T  | Г                                   | Т                                   | Г        | Ι_       |          | <u> </u>     | М   |
|              | 122   | $\vdash$      | <del>                                     </del> |                                     | 一                                   | Г        | Т        | Т        |              | П   |
|              | 123   | _             | $t^-$  | _                                   | <u> </u>                            | T        | Н        |          | Г            | Н   |
|              | 124   | ┝             |  | ┢                                   | $\vdash$                            |          | H        | $\vdash$ | $\vdash$     | Н   |
|              | 125   | -             | $\vdash$   | -                                   | +-                                  | H        | 一        | ┢        | $\vdash$     | Н   |
|              | 126   |               | ┝  | $\vdash$                            | ╌                                   | ╁╌       | t        | Н        | ┢            | Н   |
|              | 127   | ┢             | ┝  | ╁╴                                  | ⊢                                   | -        | ├        | ┢        | <del> </del> | Н   |
|              | 120   | ├             | ├-   | ╁╌                                  | $\vdash$                            | ├        | ╁        | ┢        | -            | $\vdash$  |
|              | 120   | ⊢             | ├  | ⊢                                   | $\vdash$                            | ├        | H        | ├        | ┢            |   |
|              | 129   | $\vdash$      | $\vdash$   | -                                   | $\vdash$                            | $\vdash$ | $\vdash$ | $\vdash$ | ├-           | $\vdash$  |
| <u> </u>     | 126<br>127<br>128<br>129<br>130<br>131<br>132 | $\vdash$      | <u> </u>   | <del> </del>                        | ├                                   | ⊢        | ├        | $\vdash$ | ├            | $\vdash$  |
|              | 131   | <del> </del>  | $\vdash$   | <del> </del>                        | ⊬                                   | ₩        | -        | ├-       | <u> </u>     | $\vdash$  |
|              | 132   | <b>—</b>      | ⊢  |                                     | $\vdash$                            | $\vdash$ | ₩        | $\vdash$ | ــــ         | $\vdash$  |
| <b> </b>     | 133   | <u> </u>      | <u> </u>   | ـ                                   | _                                   | <u>L</u> | ⊢        | $\vdash$ |              | $\vdash$  |
|              | 134<br>135                                    | <del> _</del> | <u> </u>   | <u> </u>                            | ₩                                   | 1        | <b>├</b> | <b>├</b> | ├            | <b> </b> -  |
|              | 135   | $\vdash$      | <u> </u>   | <b>!</b> -                          | ╙                                   | ┞-       |          | <u> </u> | ├-           | $\vdash$  |
| L            | 136   | 1_            | <u> </u>   | <u> </u>                            | $\vdash$                            | ـــ      | ╙        | _        | <b>L</b>     | <b>—</b>  |
|              | 137<br>138                                    | _             | _  | $\perp$                             | _                                   | 1_       | ┞        | _        | <b>⊢</b>     | $\vdash$  |
|              | 138   | 乚             | _  | 乚                                   | _                                   | _        | 1        | <u></u>  | _            | oxdot   |
| $L^{-}$      | 139   |               |  | L                                   |                                     |          | ŀ        |          | $oxed{oxed}$ | $oldsymbol{ol}}}}}}}}}}}}}}}}}$ |
|              | 140   |               | L  | L                                   | L                                   |          |          |          | L            |   |
|              | 141   |               |  |                                     | L                                   | $\Box$   |          | $\Box$   | Ĺ            |   |
|              | 142   |               |  |                                     |                                     | Γ        |          | $\prod$  | $\Gamma$     | $\Gamma$  |
|              | 143   |               | Γ  | Γ                                   |                                     |          |          |          | $L^{T}$      |   |
|              | 144   | Г             | Т  | 1                                   | T                                   | T        | Т        | T        | П            | Γ   |
| $\vdash$     | 145   | 1             | T  | T                                   | $\top$                              | Т        | T        | T        | Π            |   |
| ┢            | 146   | t             | 1  | t                                   | T                                   | 十        | †        | $\top$   | 1            | 1   |
| <del> </del> | 147   | +-            | $\vdash$   | t                                   | T                                   | $t^-$    | T        | $t^-$    | $t^{-}$      | $\vdash$  |
|              | 148   | 1-            | +  | $\vdash$                            | $\vdash$                            | +        | +        | ╁╴       | +-           | $\vdash$  |
| -            | 149   | t             | +-   | ╁                                   | +                                   | +-       | +        | +        | +            | +-  |
| <u> </u>     | 150   | +-            | +  | ╁                                   | +                                   | +-       | +        | $\vdash$ | +            | +-  |
|              | 1 100   | 1             | 1  | 1                                   | 1                                   | 1        |          |          | 1            | 1   |